

## Module Summary



**MODULE TITLE: Children's Neuroscience Nursing Care**  
**MODULE CODE: NS486**

### Module summary

The module is designed to increase the registered nurse's knowledge of the care requirements of children with neuro-medical/neurosurgical conditions in a variety of settings. This is a level 8 (Degree Level) 5 ECTS credit stand-alone module. The module is delivered in Temple Street Children's University Hospital on 7 individual days spread over an 8 week semester, on the following dates: **Feb 7<sup>th</sup>/8<sup>th</sup>/21<sup>st</sup>/22<sup>nd</sup> and March 14<sup>th</sup>/28<sup>th</sup>/29<sup>th</sup> 2018**. 100% attendance is required on the Temple Street Children's University Hospital contact days.

### Who should attend

The module is designed to increase the theoretical knowledge base of registered nurses who care for children with neuro-medical/neurosurgical needs in both in the hospital and community settings. The theoretical and empirical knowledge that underpins the practice of neuroscience nursing will be explored and critical decision-making skills in the planning and delivery of care will be promoted. Candidates must be working in settings where they are likely to provide care to children with neuro-medical/neurosurgical conditions.

### Topics to include

- Anatomy and physiology of the neurological system and its application to disordered function.
- Neuro-medical disorders including epilepsy, meningitis/encephalitis, cerebrovascular and neuromuscular conditions.
- Neurosurgical conditions including pre/post-operative neurosurgical care, brain tumours, cerebral aneurysms, traumatic brain injury and hydrocephalus.
- Investigations/treatment modalities of neuro-medical and neurosurgical conditions in children.
- Transitional and rehabilitation care.
- Pharmacological/non-pharmacological interventions.
- The contribution of the multi-disciplinary team in the care of Children and their families who have neuroscience related needs.
- Support/education/health promotion for the child and family.

## **Benefits to practitioners**

This module aims to equip applicants with the requisite knowledge, skills, attributes and capabilities to meet the care needs of children with neuro-medical/neurosurgical conditions and their families in a variety of settings. The applicant will gain an understanding of normal neuro-anatomy and neurophysiology and its application to disordered function. The applicant will demonstrate the ability to assess, plan, implement and evaluate evidence-based holistic, family centred nursing care of the child with a neuro-medical/neurosurgical condition. The module will explore the neuro-medical, neurosurgical and pharmacological interventions available to support the child with altered neurological function, and evaluate the contribution of the multi-disciplinary team in the care of children and their families who have neuroscience care needs.

## **Module assessment**

The module is assessed through preparation and delivery of a poster presentation (70%), and completion of a Multiple Choice Questionnaire in class (MCQ) (30%). A basic working knowledge of and access to a computer while undertaking the module is expected.

## **Cost of module**

The cost is €350.

## **Deadline for applications**

Completed applications including your CV, one passport photo and a copy of your nursing registration (if you are a registered nurse) should be submitted to the Faculty of Science & Health, Dublin City University by **5.00 p, Friday 1<sup>st</sup> December 2017**.

## **For an application form please contact:**

The Faculty of Science and Health, Dublin City University, Dublin DO9 Y5NO, T: 01 700 8975,  
E: [science@dcu.ie](mailto:science@dcu.ie)

## **For further information on the module please contact:**

**Dr Therese Leufer:**

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